

a mechanism for moving said first unit toward said second unit to form said flow passageways; and

mold pins for defining said mold cavities, said mold pins being located in said first mold unit.

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5. (Amended) A mold apparatus for producing molded optical elements, said apparatus comprising:

a first mold unit for defining mold cavities and flow passageways; and

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a second mold unit having an integrated mold surface for sealing against said first unit, said integrated mold surface containing a plurality of patterns for molding optical patterns in the optical elements; and

wherein said first mold unit is removable, and wherein said apparatus is arranged to receive other first mold units to produce products of different sizes and shapes.

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Cancel claim 6, without prejudice.

Rewrite claim 7 in independent form as follows:

7. (Amended) A mold apparatus for producing molded optical elements, said apparatus comprising:

a first mold unit for defining a plurality of mold cavities and flow passageways;

a second mold unit having a mold surface for sealing against said first unit, said mold surface containing a corresponding plurality of patterns for molding optical patterns in the optical elements, said optical patterns being located on a single flat metal puck covering the plurality of mold cavities and said flow passageways; and

means for removing said metal puck, such that other pucks may be installed in said apparatus to produce products having different optical characteristics.

Cancel claims 10 and 11, without prejudice.

Rewrite claims 12, 15 and 16 in independent form as follows:

12. (Amended) A method for making molded optical elements, said method comprising the steps of:

providing a single metal puck with a plurality of optical patterns;

locating said single metal puck against a mold surface to seal a plurality of mold cavities and flow passageways formed upon said mold surface; and

subsequently, molding optical elements within said mold cavities such that said optical patterns of said single metal puck are formed in said optical elements; and

moving said mold surface toward said metal puck to form said flow passageways; and

using mold pins to define the thicknesses of said mold cavities.

15. (Amended) A method for making molded optical elements, said method comprising the steps of:

providing a single metal puck with a plurality of optical patterns;

locating said single metal puck against a mold surface to seal a plurality of mold cavities and flow passageways formed upon said mold surface; and

subsequently, molding optical elements within said mold cavities such that said optical patterns of said single metal puck are formed in said optical elements; and

separating said mold surface from said metal puck, and locating another mold surface against said metal puck to form different size mold cavities.

16. (Amended) A method for making molded optical elements, said method comprising the steps of:

providing a single metal puck with a plurality of optical patterns;

locating said single metal puck against a mold surface to seal a plurality of mold cavities and flow passageways formed upon said mold surface; and

subsequently, molding optical elements within said mold cavities such that said optical patterns of said single metal puck are formed in said optical elements; and

separating said puck from said mold surface, and providing another metal puck having patterns formed therein to form optical elements having different optical characteristics.

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